INFORMATION DISCLOSURE CITATION

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Atty. Docket No.	08702.0009-01000		Appin. No. 09/5	512,701	··-	
Applicant	FONARD et al.		-			DEC 12 2003
Filing Date	August 8, 2000		Group: 164	5	- -	YECH CENTER 1600/29
		U.S. PATEN	T DOCUMENTS			
Examile 164	Document Number	Issue Date	Name	Class	Sub Class	Filing Date
M	5,547,852	08/20/96	Seiler et al.	1	(
	U.S	S. PATENT APPL	ICATION DOCUME	NTS	<u> </u>	
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
M	08/087,832	ABN	Gately et al.	1	1	07/02/93
M	08/094,649	ABN	Chizzonite et al.	17		07/19/93
M	08/094,713	ABN	Chua et al.		T.	07/19/93
		FOREIGN PAT	ENT DOCUMENTS		<u></u>	
	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
MM	DE 43 15 127.2	11/19/1993	Germany	A61 K	37/02	Yes, U.S. Patent No. 5,547,852
	OTHER DOCUMEN	ITS (Including Au	uthor, Title, Date, P	ertinent F	Pages, Etc	c.)
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INFORMATION DISCLOSURE CITATION

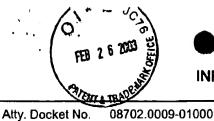
	TATRICE			
Atty. Docket No	o. 08702.0009-01000	Appin. No.	09/512,701	7F04- 8 3003
Applicant	LEONARD et al.			CENTER 1600/00
Filing Date	February 25, 2000	Group:	1645	

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Dat
MM	5,536,657	16 Jul. 1996	Chua et al.	1	1	
MW (5,650,492	22 Jul. 1997	Gately et al.	\prod		
My,	5,840,530	24 Nov. 1998	Gubler et al.)	
1////	5,852,176	22 Dec. 1998	Gubler et al.			
m	5,853,721	29 Dec. 1998	Gately et al.		5	
	5,955,476	21 Sep. 1999	Muller et al.			
MM	5,969,102	19 Oct. 1999	Bram et al.			
mm	6,054,487	25 Apr. 2000	Sekut et al.			
MM	6,225,117 B1	1 May 2001	Gately et al.		4	,
MM	6,258,562 B1	10 Jul. 2001	Salfeld et al.			
MM	6,338,848 B1	15 Jan. 2002	Leonard et al.	17	L	

		FOREIGN PATEN	IT DOCUMENT	S		
	Document Number	Publication Date	Country	Class	Sub Class	Translati n Yes or N
	WO 92/05256	02 Apr. 1992	WIPO	/	7	
MM	WO 93/19770	14 Oct. 1993	WIPO			
W	WO 98/16248	23 Apr. 1998	WIPO	1	7	
m	WO 98/22137	28 May 1998	WIPO	ș l		
MM	WO 98/41232	24 Sep. 1998	WIPO		5	
	WO 99/36073	22 Jul. 1999	WIPO	 	1	
7///	WO 99/37682	29 Jul. 1999	WIPO	1		
MM	0 433 827 A2	26 Jun. 1991	EPO	1		

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Page 1 of 6



Applicant

Filing Date

LEONARD et al.

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INFORMATI	ION DISCLOSURE CITATION			
			FEB 2 8 2dos	
1000	Appln. No.	09/512,701	7ma. 20103	
al.			TECH CENTER 1600/2900	
		40.00		

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
M	Arnaudova et al., Application of Interferon- γ Containing Gel for Local Treatment of Skin Ulcers in Autoimmune Vasculitides and Skin Changes in Progressive Systemic Sclerosis, <i>The Journal of Rheumatology</i> , 20:1445-1446 (1993).
Tun.	Bach, Immunosuppressive Therapy of Autoimmune Diseases, <i>Immunology Today</i> , 14:322-326 (1993).
m	Bach, Immunosuppressive Therapy of Autoimmune Diseases, <i>Trends in Pharmacological Sciences</i> , 14:213-216 (1993).
MM	Balashov et al., Increased Interleukin 12 Production in Progressive Multiple Sclerosis: Induction by Activated CD4 ⁺ T Cells Via CD40 Ligand, <i>Proceedings of the National Academy of Sciences U.S.A.</i> , 94:599-603 (1997).
MM	Bankhurst, Interferons and Systemic Lupus Erythematosus, <i>Journal of Rheumatology</i> , 14:63-67 (1987).
M	Baron et al., Production of Tumor Necrosis Factor and Other Proinflammatory Cytokines by Human Mononuclear Phagocytes Stimulated with Myelin P2 Protein, <i>Proceedings of the National Academy of Sciences U.S.A.</i> , 90,4414-4418 (1993).
YM	Baron et al., Surface Expression of $\alpha 4$ Integrin by CD4 T Cells is Required for Their Entry into Brain Parenchyma, <i>Journal of Experimental Medicine</i> , 177:57-68 (1993).
m	Butler et al., Anti-IL-12 and Anti-TNF Antibodies Synergistically Suppress the Progression of Murine Collagen-Induced Arthritis, <i>European Journal of Immunology</i> , 29:2205-2212 (1999).
JM .	Campbell et al., Essential Role for Interferon-y and Interleukin-6 in Autoimmune Insulin-Dependent Diabetes in NOD/Wehi Mice, <i>Journal of Clinical Investigation</i> , 87:739-742 (1991).
W	Castaño et al., Type-I Diabetes: A Chronic Autoimmune Disease of Human, Mouse, and Rat, Annual Review of Immunology, 8:647-679 (1990).
M	Chan et al., Induction of Interferon γ Production by Natural Killer Cell Stimulatory Factor: Characterization of the Responder Cells and Synergy with Other Inducers, <i>Journal of Experimental Medicine</i> , 173:869-879 (1991).
M.	Charteris et al., Interferon-Gamma (IFN- γ) Production <i>In Vivo</i> in Experimental Autoimmune Uveoretinitis, <i>Immunology</i> , 75:463-467 (1992).
IM	Chizzonite et al., IL-12 Receptor. I. Characterization of the Receptor on Phytohemagglutinin-Activated Human Lymphoblasts, <i>The Journal of Immunology</i> , 148:3117-3124 (1992).
m	Chizzonite et al., IL-12: Monoclonal Antibodies Specific for the 40-kDa Subunit Block Receptor Binding and Biologic Activity on Activated Human Lymphoblasts, <i>The Journal of Immunology</i> , 147:1548-1556 (1991).
-1/1/1	Chofflon et al., Tumor Necrosis Factor α Production as a Possible Predictor of Relapse in Patients

Page 2 of 6

MMAGnavfild 7/7/03 MMAGnavfild 2/13/04

with Multiple Sclerosis, European Cytokine Network, 3:523-531 (1992).







INFORMATION DISCLOSURE CITATION

OMB 17 1051-0011

	C/OT A TO NU /			<u> </u>
Atty. Docket N	o. 08702.0009-01000	Appln. No.	09/512,701	TECH 2 8 2003
Applicant	LEONARD et al.			SENTER 100
Filing Date	February 25, 2000	Group:	1645	1,1870/5300

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
M	Chua et al., Expression Cloning of a Human IL-12 Receptor Component: A New Member of the Cytokine Receptor Superfamily with Strong Homology to gp130, <i>The Journal of Immunology</i> , 153:128-136 (1994).
MM	Constantinescu et al., IL-12 Reverses the Suppressive Effect of the CD40 Ligand Blockade on Experimental Autoimmune Encephalomyelitis (EAE), <i>Journal of the Neurological Sciences</i> , 171:60-64 (1999).
M	Deguchi et al., Tumour Necrosis Factor/Cachectin Plays a Key Role in Autoimmune Pulmonary Inflammation in Lupus-Prone Mice, Clinical and Experimental Immunology, 85:392-395 (1991).
M	Duchmann et al., Interleukin-12 mRNA is Induced in Lamina Propria Mononuclear Cells from Patients with Inflammatory Bowel Disease (IBD), Gastroenterology (Suppl.), 104:A693 (1993).
mu	Feldmann et al., Evaluation of the Role of Cytokines in Autoimmune Disease: The Importance of TNFα in Rheumatoid Arthritis, <i>Progress in Growth Factor Research</i> , 4:247-255 (1992).
mir	Fox et al., Anti-Interleukin-12 Antibody: Potential Role in Preventing Relapses of Multiple Sclerosis, <i>BioDrugs</i> , 13:233-241 (2000).
ym	Fujihira et al., Suppression and Acceleration of Autoimmune Diabetes by Neutralization of Endogenous Interleukin-12 in NOD Mice, <i>Diabetes</i> , 49:1998-2006 (2000).
M	Funauchi et al., Serum Level of Interferon-γ in Autoimmune Diseases, <i>Tohoku Journal of Experimental Medicine</i> , 164:259-267 (1991).
MM	Gately et al., Interleukin-12 Antagonist Activity of Mouse Interleukin-12 p40 Homodimer in Vitro and in Vivo, Annals New York Academy of Sciences, 795:1-12 (1996).
m	Germann et al., IL-12, a Cytokine with Multiple Effects on T _H 1-, but not on T _H 2-cells, <i>Immunobiology</i> , 186:38 (1992).
M	Godfrey et al., A Developmental Pathway Involving Four Phenotypically and Functionally Distinct Subsets of CD3 CD4 CD8 Triple-Negative Adult Mouse Thymocytes Defined by CD44 and CD25 Expression, <i>The Journal of Immunology</i> , 150:4244-4252 (1993).
M	Greig et al., A Comparison of the Effects of Melengestrol Acetate and Hydrocortisone Acetate on Experimental Allergic Encephalomyelitis in Rats, <i>The Journal of Pharmacology and Experimental Therapeutics</i> , 173:85-93 (1970).
M	Harris, et al., Therapeutic Antibodies - The Coming of Age, <i>Trends in Biotechnology</i> , 11:42-44 (1993).
M	Heremans et al., Role of Endogenous Interleukin-12 (IL-12) in Induced and Spontaneous Relapses of Experimental Autoimmune Encephalomyelitis in Mice, <i>European Cytokine Network</i> , 10:171-179 (1999).
m	Higgins et al., Suppression of Experimental Autoimmune Encephalomyelitis by Oral Administration of Myèlin Basic Protein and Its Fragments, <i>The Journal of Immunology</i> , 140:440-445 (1988).
-MM	Hofman et al., Immunoregulatory Molecules and IL 2 Receptors Identified in Multiple Sclerosis Brain, <i>The Journal of Immunology</i> , 136:3239-3245 (1986).

Page 3 of 6

MM Minnyill 7/7/03 MM Minnyill 2/13/04







	Dr. 1910			<u>- F</u> F	
Atty. Docket N	o. 08702.0009-01000	Appln. No.	09/512,701	TECH	2 8 2003
Applicant	LEONARD et al.			WON CE	VIER 1800/2000
Filing Date	February 25, 2000	Group:	1645		

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
M	Hofman et al., Lymphokines and Immunoregulatory Molecules in Subacute Sclerosing Panencephalitis, Clinical Immunology and Immunopathology, 58:331-342 (1991).
m	Hofman et al., Tumor Necrosis Factor Identified in Multiple Sclerosis Brain, <i>Journal of Experimental Medicine</i> , 170:607-612 (1989).
M	Hunter et al., Immunoregulation by Interleukin-12 in MB49.1 Tumor-Bearing Mice: Cellular and Cytokine-Mediated Effector Mechanisms, <i>European Journal of Immunology</i> , 27:3438-3446 (1997).
mm	Ichikawa et al., Anti-IL-12 Antibody Prevents the Development and Progression of Multiple Sclerosis-Like Relapsing-Remitting Demyelinating Disease in NOD Mice Induced with Myelin Oligodendrocyte Glycoprotein Peptide, <i>Journal of Neuroimmunology</i> , 102:56-66 (2000).
·m	Jaffe, Combination Therapy of Rheumatoid Arthritis—Rationale and Overview, <i>Journal of Rheumatology</i> , 17 (supplement 25): 24-27 (1990).
MM	Joosten et al., Blockade of endogenous interleukin 12 results in suppression of murine streptococcal cell wall arthritis by enhancement of interleukin 10 and interleukin 1Ra, <i>Annals of Rheumatic Diseases</i> , 59(3): 196-205 (2000).
M	Karlsson et al., Autoimmune Endocrinopathies 5: Autoimmune Disease of the Adrenal Cortex, Pituitary, Parathyroid Glands and Gastric Mucosa, <i>Journal of Internal Medicine</i> , 234:379-386 (1993).
m	Kim et al., The role of IL-12 in Inflammatory Activity of Patients with Rheumatoid Arthritis (RA), Clinical and Experimental Immunology, 119:175-181 (2000).
M	Kobayashi et al., Identification and Purification of Natural Killer Cell Stimulatory Factor (NKSF), a Cytokine with Multiple Biologic Effects on Human Lymphocytes, <i>Journal of Experimental Medicine</i> , 170:827-845 (1989).
mm	Lagoo et al., Proinflammatory Cytokine Production by Rheumatoid Arthritis Synovial Fibroblasts, Journal of Cellular Biochemistry (Suppl. O), 17:146 (1993).
mu	Leonard et al., Effects of Single-Dose Interleukin-12 Exposure on Interleukin-12-Associated Toxicity and Interferon-γ Production, <i>Blood</i> , 90:2541-2548 (1997).
MM	Leonard et al., Prevention of Experimental Autoimmune Encephalomyelitis by Antibodies Against Interleukin 12, <i>Journal of Experimental Medicine</i> , 181:381-386 (1995).
M	Leonard et al., Regulation of Experimental Autoimmune Encephalomyelitis by Interleukin-12, Annals New York Academy of Sciences, 795:216-226 (1996).
YM.	Leonard et al., Regulation of the Inflammatory Response in Animal Models of Multiple Sclerosis by Interleukin-12, <i>Critical Reviews in Immunology</i> , 17:545-553 (1997).
M	Lernmark et al., Autoimmune Endocrinopathies 3: Islet Cell Autoimmunity, <i>Journal of Internal Medicine</i> , 234:361-369 (1993).
MM.	Malfait et al., Blockade of IL-12 During the Induction of Collagen-Induced Arthritis (CIA) Markedly Attenuates the Severity of the Arthritis, <i>Clinical and Experimental Immunology</i> , 111:377-383 (1998).

Page 4 of 6



LEONARD et al.

Atty. Docket No.

Applicant





09/512,701

OMB No/ 1/21-0011

INFORMATION DISCLOSURE CITATION

Appln. No.

FEB 2 8 2003	
1ECH CENTER 1600/2900	
1600/2900	1

Filing Date	February 25, 2000	Group:	1645				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
m	(Th1)-Specific Immune Responses ar	Manetti et al., Natural Killer Cell Stimulatory Factor (Interleukin 12 [IL-12]) Induces T Helper Type 1 (Th1)-Specific Immune Responses and Inhibits the Development of IL-4-Producing Th Cells., Journal of Experimental Medicine, 177:1199-1204 (1993).					
m	Merrill et al., Inflammatory Leukocytes Experimental Allergic Encephalomyel Academy of Sciences U.S.A., 89:574	itis in SJL and	es in the Peptide-Induced Disease of B10.PL Mice, <i>Proceedings of the National</i>				
171	Merrill et al., T Cell Lines Established Human Retroviruses, <i>Journal of Neur</i>		Sclerosis Cerebrospinal Fluid T cells Using 21:213-226 (1989).				
m	Panitch et al., Treatment of Multiple S with Activation of the Immune System		Samma Interferon: Exacerbations Associated 17:1097-1102 (1987).				
M	Peeva et al., Rheumatoid Arthritis Exa Rheumatism, 43:461-463 (2000).	acerbation Ca	used by Exogenous Interleukin-12, Arthritis &				
MM	Rothe et al., Suppression of Cyclopho Th1 Reactivity in NOD Mice Treated v Diabetologia, 40:641-646 (1997).		uced Diabetes Development and Pancreatic ukin (IL)-12 Antagonist IL-12(p40) ₂ ,				
mme	Saito et al., Effect of CD80 and CD86 Blockade and Anti-Interleukin-12 Treatment on Mouse Acute Graft-Versus-Host Disease, <i>European Journal of Immunology</i> , 26:3098-3106 (1996).						
M	Serreze, Autoimmune diabetes results from genetic defects manifest by antigen presenting cells, FASEB Journal, 7:1092-1096 (1993).						
m	Simon et al., Divergent T-cell Cytokine Patterns in Inflammatory Arthritis, <i>Proceedings of the National Academy of Sciences U.S.A.</i> , 91:8562-8566 (1994).						
m	Smith et al., Interleukin-12 Induces Re Lewis Rat, American Journal of Patho		erimental Allergic Encephalomyelitis in the 9-1917 (1997).				
MM	Smith et al., The Role of T Cells in My and Immunopathology, 68:100-106 (1		Autoimmune Myocarditis, Clinical Immunology				
M		Illnesses: Pro	Its on the Self Produce Multiple Sclerosis, omising Therapies are Emerging, <i>Scientific</i>				
M			o Interferon-γ on Experimental Autoimmune ase of EAT-Specific T Cells, <i>European Journal</i>				
MW			or (NKSF) or Interleukin-12 is a Key Regulator of Growth Factor Research, 4:355-368 (1992).				
1000	Van der Veen et al., The Effect of Me Rheumatoid Arthritis, Clinical Rheuma	thylprednisone atology, 12:50	Pulse Therapy on Methyltrexate Treatment of 0-505 (1993).				
WM	Veys et al., Interferon Gamma in Rhe Recombinant Interferon Gamma with	umatoid Arthri Placebo, <i>The</i>	tis - A Double Blind Study Comparing Human Journal of Rheumatology, 15:570-574 (1988).				

Page 5 of 6

MM Minimifield 7/7/03 NM Minimifield 2/13/04







INFORMATION DISCLOSURE CITATION

OMB 10001-0011

Atty. Docket No.	08702.0009-01000	Appln. No. 09/51	2,701 /ECH 2 8 2003
Applicant	LEONARD et al.		CENTER 1600 to
Filing Date	February 25, 2000	Group: 1645	000/29\0

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
100	Via et al., IL12 Prevents Autoimmunity in a Murine Model of SLE., <i>Arthritis and Rheumatism</i> , 36:148 (1993).	
m	Vitali, et al., Immunotherapy in Rheumatoid Arthritis, <i>The International Journal of Artificial Organs</i> , 16:196-200 (1993).	
MM	Waldburger et al., Adoptive Transfer of Experimental Allergic Encephalomyelitis After in Vitro Treatment with Recombinant Murine Interleukin-12, American Journal of Pathology, 148:375-382 (1996).	
M	Wilske, Approaches to the Management of Rheumatoid Arthritis: Rationale for Early Combination Therapy, <i>British Journal of Rheumatology</i> , 32 (supplement 1) 24-27 (1993).	

Examiner Date Considered 7/7/6

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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2/13/04